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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/897,003	07/02/2001	Douglas E. Smith	1082-010	1140
7590	08/02/2004		EXAMINER	
Joseph A. Walkowski TraskBritt PC P.O. Box 2550 Salt Lake City, UT 84110				MARTIR, LILYBETT
		ART UNIT		PAPER NUMBER
		2855		

DATE MAILED: 08/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Advisory Action</b>	Application No.	Applicant(s)
	09/897,003	SMITH ET AL.
	Examiner Lilybett Martir	Art Unit 2855

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 21 June 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY** [check either a) or b)]

a)  The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.  
 b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  
 ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1.  A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.  
 2.  The proposed amendment(s) will not be entered because:  
 (a)  they raise new issues that would require further consideration and/or search (see NOTE below);  
 (b)  they raise the issue of new matter (see Note below);  
 (c)  they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
 (d)  they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet.

3.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
 4.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
 5.  The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: \_\_\_\_\_.  
 6.  The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.  
 7.  For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: 35.

Claim(s) objected to: 8-10, 12-24, 26-31, 33, 34, 42 and 43.

Claim(s) rejected: 1-7, 9, 11, 25, 36 and 41.

Claim(s) withdrawn from consideration: 36-40 and 44-56.

8.  The drawing correction filed on \_\_\_\_\_ is a) approved or b) disapproved by the Examiner.

9.  Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_.

10.  Other: \_\_\_\_\_

  
 EDWARD LEEKOWITZ  
 SUPERVISORY PATENT EXAMINER  
 TECHNOLOGY CENTER 2800

7/26/04

Continuation of 2. NOTE: Claim 1 has been amended and additional limitations have been added to said claim ("having a plurality of sensor elements configured in an arrangement"). A new search would be required based on said amendments. In response to applicant's arguments about his elements sensing a bending strain in the bending portion exclusive of a net axial strain", it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. Ex parte Masham, 2 USPQ F.2d 1647 (1987). It should be noted that both Wilhem (Fig. 2) and Malicki (Fig. 3) teach embodiments of pins that have central portions that are of reduced thickness that can be bent depending on how a load is applied to them, and comprise gauges as their detecting means. In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fjne*, 837 F.2d 1 071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the knowledge available to one of ordinary skill in the art and the specific needs of the user comprise the motivation to the obviousness rationale, and also it has been held that the test for obviousness is not whether the features of one reference may be bodily incorporated into the other to produce the claimed subject matter but simply what the combination of references makes obvious to one of ordinary skill in the art in the pertinent art. *In re Bozek*, 163 USPQ 545 (CCPA 1969). In response to applicant's arguments about his elements "sensing a bending strain in the bending portion exclusive of a net axial strain" being a structural limitation that "describes the sensing device in terms of its sensing capabilities", based on said recitation of "sensing a bending strain in the bending portion exclusive of a net axial strain", there is no depiction of a structure that could be concluded from said recitation.